

SEQUENCE LISTING

<110> Wu, Wenping
Jokumsen, Kirsten Vaever
Stringer, Mary Ann

<120> Trypsin like protease

<130> 10178.204-US

<160> 5

<170> PatentIn version 3.3

<210> 1

<211> 1004

<212> DNA

<213> Fusarium solani

<220>

<221> CDS

<222> (52)..(804)

<220>

<221> mat_peptide

<222> (127)..(804)

<223> 52-102: signal peptide and 103-126: pro-peptide

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Met Val
-25

aag ttt gct gcc atc ctc gca ctt gtt gcg cct ctt gtc gcc gct cgg 105
Lys Phe Ala Ala Ile Leu Ala Leu Val Ala Pro Leu Val Ala Ala Arg
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cct cag gac tca tca ccc atg atc gtt ggt gga act gct gcc agc gct 153
Pro Gln Asp Ser Ser Pro Met Ile Val Gly Gly Thr Ala Ala Ser Ala
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ggt gac ttc ccc ttc atc gtc agc atc gcc tac aat ggt ggc cct tgg 201
Gly Asp Phe Pro Phe Ile Val Ser Ile Ala Tyr Asn Gly Gly Pro Trp
10 15 20 25

tgc gga ggt acc ctc ctc aac gcc aac acc gtc atg act gct gcc cac 249
Cys Gly Gly Thr Leu Leu Asn Ala Asn Thr Val Met Thr Ala Ala His
30 35 40

tgc acc caa ggt cgc tct gct agc gcc ttc cag gtc cgc gcc gga agt 297
Cys Thr Gln Gly Arg Ser Ala Ser Ala Phe Gln Val Arg Ala Gly Ser
45 50 55

ctg aac cgc aac tcg ggt ggt gtt acc tct tcc gtt tct tcc atc agg 345
Leu Asn Arg Asn Ser Gly Gly Val Thr Ser Ser Val Ser Ser Ile Arg
60 65 70

atc cat cct agc ttc agt agc tcg acc ctg aac aac gat gtt tcc atc Ile His Pro Ser Phe Ser Ser Ser Thr Leu Asn Asn Asp Val Ser Ile 75 80 85	393
ctg aag ctg tcc acc ccc atc tcg act agc tcc act att tct tat ggt Leu Lys Leu Ser Thr Pro Ile Ser Thr Ser Ser Thr Ile Ser Tyr Gly 90 95 100 105	441
cgc ctg gct gcg tcg ggc tct gac cct gtt gcc ggc tct gat gcc aca Arg Leu Ala Ala Ser Gly Ser Asp Pro Val Ala Gly Ser Asp Ala Thr 110 115 120	489
gtt gct ggc tgg ggt gtc act tct cag ggc tct tcc agc tct ccc gtg Val Ala Gly Trp Gly Val Thr Ser Gln Gly Ser Ser Ser Ser Pro Val 125 130 135	537
gct ttg agg aag gtt acc att ccc atc gtc tcc cgc acc act tgc cga Ala Leu Arg Lys Val Thr Ile Pro Ile Val Ser Arg Thr Thr Cys Arg 140 145 150	585
tcc cag tat ggc act tct gcc atc acc acc aac atg ttc tgc gct ggt Ser Gln Tyr Gly Thr Ser Ala Ile Thr Thr Asn Met Phe Cys Ala Gly 155 160 165	633
ctt gct gag ggt ggt aag gac tct tgc cag ggc gac agc ggc ggt ccc Leu Ala Glu Gly Gly Lys Asp Ser Cys Gln Gly Asp Ser Gly Gly Pro 170 175 180 185	681
att gtc gat acc tcc aac act gtc att ggc att gtt tct tgg ggt gag Ile Val Asp Thr Ser Asn Thr Val Ile Gly Ile Val Ser Trp Gly Glu 190 195 200	729
ggt tgt gct cag ccc aac tta tct ggt gtc tat gcc cga gtt gga tct Gly Cys Ala Gln Pro Asn Leu Ser Gly Val Tyr Ala Arg Val Gly Ser 205 210 215	777
ctc cgc act tac atc gac ggc cag ctg taaattgctc ggtcggttgg Leu Arg Thr Tyr Ile Asp Gly Gln Leu 220 225	824
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gatggagtag gaatgctgag agtgtttggt tgagagtta gttgatagtc aagatccaag	944
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 <213> *Fusarium solani*

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Ser Ala Gly Asp Phe Pro Phe Ile Val Ser Ile Ala Tyr Asn Gly Gly
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Pro Trp Cys Gly Gly Thr Leu Leu Asn Ala Asn Thr Val Met Thr Ala
 25 30 35

Ala His Cys Thr Gln Gly Arg Ser Ala Ser Ala Phe Gln Val Arg Ala
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Gly Ser Leu Asn Arg Asn Ser Gly Gly Val Thr Ser Ser Val Ser Ser
 60 65 70

Ile Arg Ile His Pro Ser Phe Ser Ser Ser Thr Leu Asn Asn Asp Val
 75 80 85

Ser Ile Leu Lys Leu Ser Thr Pro Ile Ser Thr Ser Ser Thr Ile Ser
 90 95 100

Tyr Gly Arg Leu Ala Ala Ser Gly Ser Asp Pro Val Ala Gly Ser Asp
 105 110 115

Ala Thr Val Ala Gly Trp Gly Val Thr Ser Gln Gly Ser Ser Ser Ser
 120 125 130 135

Pro Val Ala Leu Arg Lys Val Thr Ile Pro Ile Val Ser Arg Thr Thr
 140 145 150

Cys Arg Ser Gln Tyr Gly Thr Ser Ala Ile Thr Thr Asn Met Phe Cys
 155 160 165

Ala Gly Leu Ala Glu Gly Gly Lys Asp Ser Cys Gln Gly Asp Ser Gly
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Gly Pro Ile Val Asp Thr Ser Asn Thr Val Ile Gly Ile Val Ser Trp
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Gly Ser Leu Arg Thr Tyr Ile Asp Gly Gln Leu
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